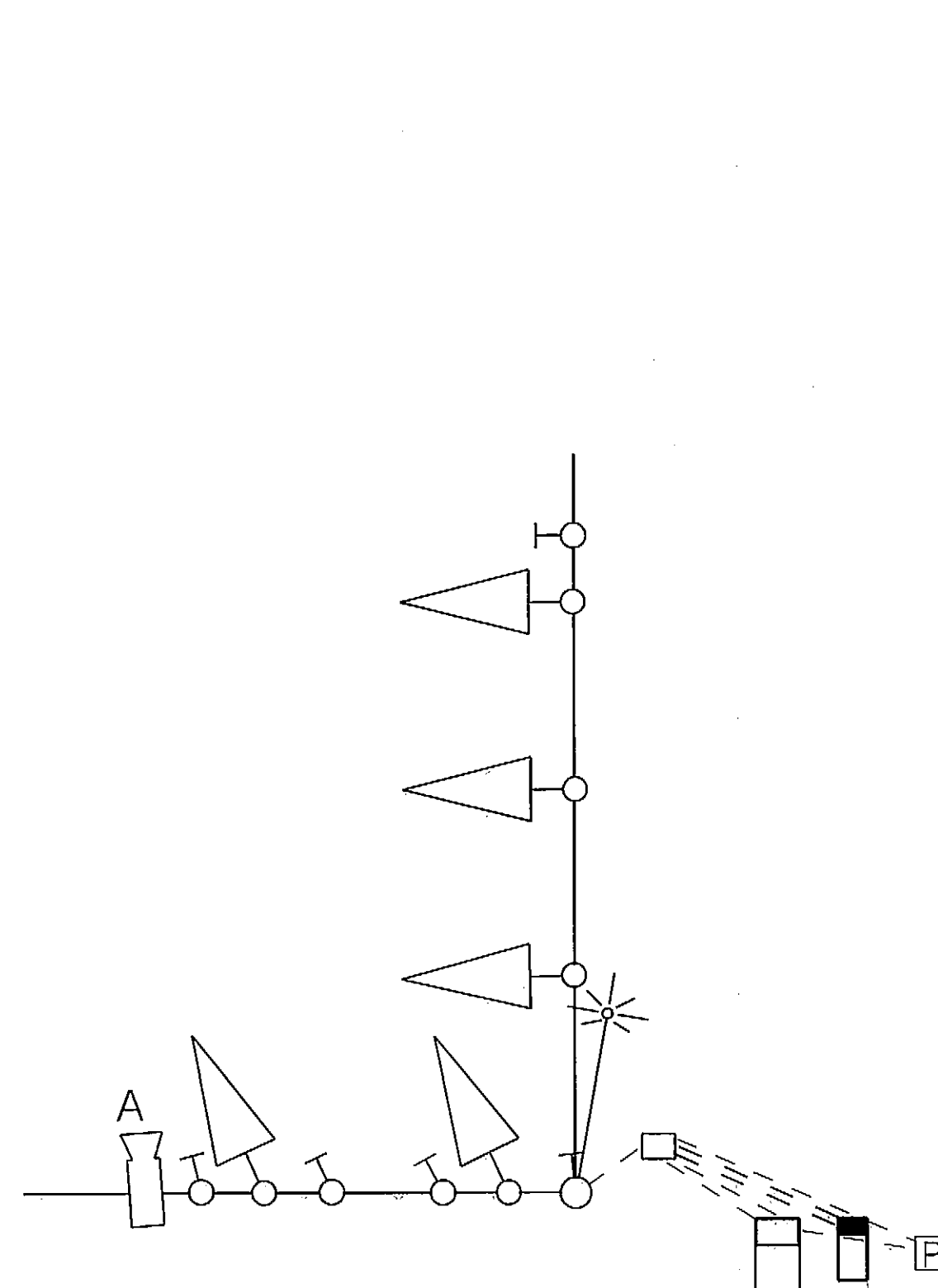


THIS PROJECT INVOLVES THE INSTALLATION OF A BATTERY BACK-UP SYSTEM TO THE EXISTING TRAFFIC SIGNAL. MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THE INTERSECTION WILL OPERATE IN A NEMA 2 PHASE, FULLY ACTUATED MODE.

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH SYSTEM PACKAGE AND ONE (1), FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER AND VIDEO DETECTION INTERFACE EQUIPMENT HOUSED IN A NEMA "6" BASE MOUNTED CABINET.

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MSHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.



	1	2	3	4	5	6	
	R	R	R	R	R	R	
	Y	Y	Y	Y	Y	Y	
	G	G	G	G	G	G	
PHASE 2	G	G	G	R	R	R	
2 CHANGE	Y	Y	Y	R	R	R	
PHASE 4	R	R	R	G	G	G	
4 CHANGE	R	R	R	Y	Y	Y	
FLASHING OPERATION	FLY	FLY	FLY	FLR	FLR	FLR	

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

<u>ITEM</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1001	1 EA.	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8013	1 CY	TEST PIT EXCAVATION
8038	10 LF.	2 INCH SCHEDULE 80 PVC CONDUIT -- TRENCHED
8042	30 LF.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	90 LF.	1 CONDUCTOR ELECTRICAL CABLE NO. 8 AWG THWN/THHN
8056	60 LF	7 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL  
BECOME THE PROPERTY OF THE CONTRACTOR.

MRS. KIM TRAN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(410) 841-1003

MR. JOE GECKLE  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 841-1002

MR. MIKE HUBER  
UTILITY ENGINEER  
(410) 841-1005

CHIEF, TRAFFIC OPERATIONS  
(410) 787-7630

MR. EUGENE BAILEY  
CHIEF - SIGN OPERATIONS SECTION  
(410) 787-7676

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
TRAFFIC OPERATIONS  
(410) 787-7631

MR. ED RODENHIZER  
CHIEF - SIGNAL OPERATIONS SECTION  
(410) 787-7652

MR. JOE GECKLE

ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 841-1002

MR. EUGENE BAILEY

CHIEF - SIGN OPERATIONS SECTION  
(410) 787-7676

MR. MIKE STOCKER

SUPPLY OFFICE  
SIGNAL SHOP WAREHOUSE  
(410) 787-7668



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 3 NB AT  
S. REIDEL RD

SCALE NONE DATE 11/5/2013 CONTRACT NO. XY1395185

DESIGNED BY	FJA	COUNTY	ANNE ARUNDEL
DRAWN BY	FJA	LOGMILE	02000303.85
CHECKED BY		T.I.M.S. NO.	L477
F.A.P. NO.	NA	TOD NO.	

DRAWING NO. TS- 4726 A GI	SHEET NO. 2 OF 2
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FILE PATH: \$FILE\$
DATE: \$DATES\$